

SKRIPSI

DEWI MASLUKAH

**UJI AKTIVITAS ANTIBAKTERI MINYAK ATSIRI
ZINGIBER AROMATICUM VAL. TERHADAP ISOLAT
HELICOBACTER PYLORI**



**FAKULTAS FARMASI
UNIVERSITAS AIRLANGGA
BAGIAN ILMU BAHAN ALAM
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Lembar Pengesahan

UJI AKTIVITAS ANTIBAKTERI MINYAK ATSIRI *ZINGIBER AROMATICUM* VAL. TERHADAP ISOLAT *HELICOBACTER PYLORY*

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Dibuat untuk memenuhi syarat mencapai gelar sarjana farmasi pada
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ABSTRACT

Helicobacter pylori is an important etiological agent of chronic gastritis, peptic ulcer and gastric cancer in humans.

Anti*Helicobacter pylori* activity of essential oil of the rhizome of *Zingiber aromaticum* had been tested with agar dilution method at the concentration 7500 µg/ml, 5000 µg/ml, 2500 µg/ml, 1250 µg/ml, 625 µg/ml. Chloramphenicol was used as Control positive. Clinical isolate of *Helicobacter pylori* were obtained from Mataram Public Hospital. Prior to assessment, identification of the *Helicobacter pylori* by Gram staining, urease, oxidase, catalase and Triple Sugar Iron (TSI) tests were done.

Results showed that essential oil of rhizome of *Zingiber aromaticum* has no inhibitory activity on isolate *Helicobacter pylori* from Mataram Public Hospital up to concentration 7500 µg/ml.

Keywords : *Helicobacter pylori*, essential oil, *Zingiber aromaticum*, anti bacterial activity